
Important Safety Instructions

The following instructions pertain to the risk of fire, electric shock or bodily injury. Please read all of these instructions carefully.

- 1** Save these instructions for later use.
- 2** Follow all of the instructions and warnings marked on this product or included in this manual.
- 3** Do not use this computer on an unstable cart, stand or table. The product may fall, causing serious damage to the product.
- 4** Slots and openings in the cabinet and the back have been provided for ventilation. To ensure reliable operation of your computer, and to protect it from overheating, do not block or cover these openings. Don't use this product on a bed, sofa, rug or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
- 5** Never push objects of any kind into the computer through the cabinet openings. Objects may touch dangerous voltage points or short out parts that could result in a fire or electrical shock. Never spill liquid of any kind on the product.
- 6** This computer should only be connected to the AC power source indicated on your computer system's information label. If you are not sure of the type of AC power available, consult your dealer or local power company. Only connect this computer to a power outlet that matches the power requirements of this computer.
- 7** Do not allow anything to rest on the power cord. Do not locate this product where people will walk on the cord.
- 8** If you have to use an extension cord with this computer, make sure that the total amperage rating of all equipment plugged into it does not exceed the amperage rating of the extension cord. Also, make sure that the total of all products plugged into the main AC power outlet does not exceed 15 amps.
- 9** Unplug your computer from the main electrical power outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 10** Do not use this computer near water.
- 11** This product is equipped with a 3-wire grounding type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert or replace your obsolete outlet, contact your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounding-type plug.

Maintenance

If the product does not operate normally, adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and may require extensive repair work to restore to normal operation.

Unplug this product from the main power outlet and call for service under any of the following conditions:

- 1** If the power cord or plug is damaged or frayed.
- 2** If liquid has been spilled into the product.
- 3** If the product has been exposed to rain or water.
- 4** If the product has been dropped or the cabinet has been damaged.
- 5** If the product exhibits a distinct change in performance indicating a need for service.

Stop

If you ever have to remove the main system unit cover, observe the following precautions:

- 1** The power supply cord must be unplugged before the main system unit cover is removed. (Separe le cordon d'alimentation et puis enleve le couvercle.)
- 2** Once removed, the cover must be replaced and screwed in position before the power supply cord is plugged back in. (Apres le couvercle a enleve, visse le couvercle en place et remettre le cordon d'alimentation.)

Wichtige Sicherheitsvorschriften Unbedingt Beachten

Allgemeine Sicherheit

Die nachfolgenden Anweisungen betreffen die Gefahr von Verletzungen durch elektrische Spannung, Feuer und mechanische Einwirkung. Bitte lesen Sie diese Anweisungen sorgfältig.

- 1** Beachten Sie alle Hinweise, die am Gerät selbst angebracht oder in den zugehörigen Handbüchern vermerkt sind.
- 2** Stellen Sie das Gerät an einem sicheren, stabilen Arbeitsplatz auf.
- 3** Am Gerät angebrachte Öffnungen (Schlitze und sonstige Öffnungen) dienen der Belüftung des Gerätes. Um ein zuverlässiges Arbeiten des Geräts zu gewährleisten und um Überhitzung zu vermeiden, müssen diese Öffnungen unbedingt freigehalten werden. Betreiben Sie das Gerät nie auf Betten, Sofas oder anderen, weichen Unterlagen.
- 4** Stecken keine Gegenstände (Schraubenzieher, Büsroklamern etc.) in die Öffnungen. Sie wurden damit Kurzschlüsse herbeiführen die zur Zerstörung des Geräts führen, sich der Gefahr eines Stromschlages aussetzen oder das Gerät in Brand setzen.
- 5** Das Gerät darf nur an vorschriftmäßige Steckdosen mit der auf dem Gerät angegebenen Netzspannung angeschlossen werden. Wenn Sie nicht sicher sind, welche Netzspannung richtig ist, wenden Sie sich an den Lieferanten des Gerätes oder an das zuständige Elektrizitätswerk. Bitten nur an Genügend stark abgesicherte Steckdosen anschließen, die der Leistungsaufnahme des Gerätes entsprechen.
- 6** Auf das Netzanschlußkabel dürfen keine Gegenstände gestellt werden. Legen sie das Netzkabel so, daß niemand darauftreten oder darüber stolpern kann.
- 7** Wenn Sie Verlängerungskabel benutzen, müssen Sie sicher sein, daß die gesamte Leistungsaufnahme nicht größer ist als das Verlängerungskabel zuläßt. Der gesamte Stromverbrauch aller angeschlossenen Geräte darf nicht mehr als 15 A betragen.
- 8** Wenn Sie das Gerät reinigen, muß das Netzkabel aus der Steckdose gezogen werden.
- 9** Das Gerät dürfen Sie nicht in der Näh von Wasserleitungen benutzen.

Wartung Des Computers

Wenn der Computer nicht ordnungsgemäß arbeitet, dürfen Sie nur die Einstellungen vornehmen, die im Handbuch genannt werden. Andere Einstellungen oder Veränderungen können den Computer beschädigen oder zerstören. Umfangreiche und kostspielige Reparaturen würden notwendig werden, um das Gerät wieder betriebsfähig zu machen.

Ziehen Sie den Netzstecker aus der Steckdose und verständigen Sie den zuständigen Kundendienst bei folgenden Störungen:

- 1 Netzkabel ist defekt oder stark abgenutzt.
- 2 Flüssigkeit ist in das Gerät geschüttet worden.
- 3 Das Gerät war Regen oder Leitungswasser aus-gesetzt.
- 4 Das Gerät ist heruntergefallen oder das Gehäuse ist beschädigt.
- 5 Das Gerät arbeitet nicht mehr richtig.

Achtung

Wenn Sie das Gerät Öffnen müssen (Abnahme der verschraubten Haube), ist unbedingt folgendes zu beachten:

- 1 Das Netzkabel muß aus der Steckdose gezogen werden und zwar bevor Sie das Gerät Öffnen.
- 2 Die Haube muß wieder montiert und verschraubt werden. Erst dann darf das Netzkabel wieder eingesteckt werden.

Safety Instruction

Ensure that the appropriate power cord is supplied with personal computer. If the power cord is not supplied with personal computer, use the correct listed cord sets as below:

Rating	Type	Note
125V, 10A Min. 18AWG/3	SVT MAX. 4.5m long	● One end terminated with molded on cord connector body. Attachment plug cap with a nema 5-15P.
250V, 6A Min. 18AWG/3	SVT Max. 4.5m long	● One end terminated with molded on cord connector body. Attachment plug cap with a nema 6-15P.

Before You Read

The information in this user's guide is subject to change without notice.

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NOTE

Depending on the model, your computer's components may vary and look slightly different than those pictured.

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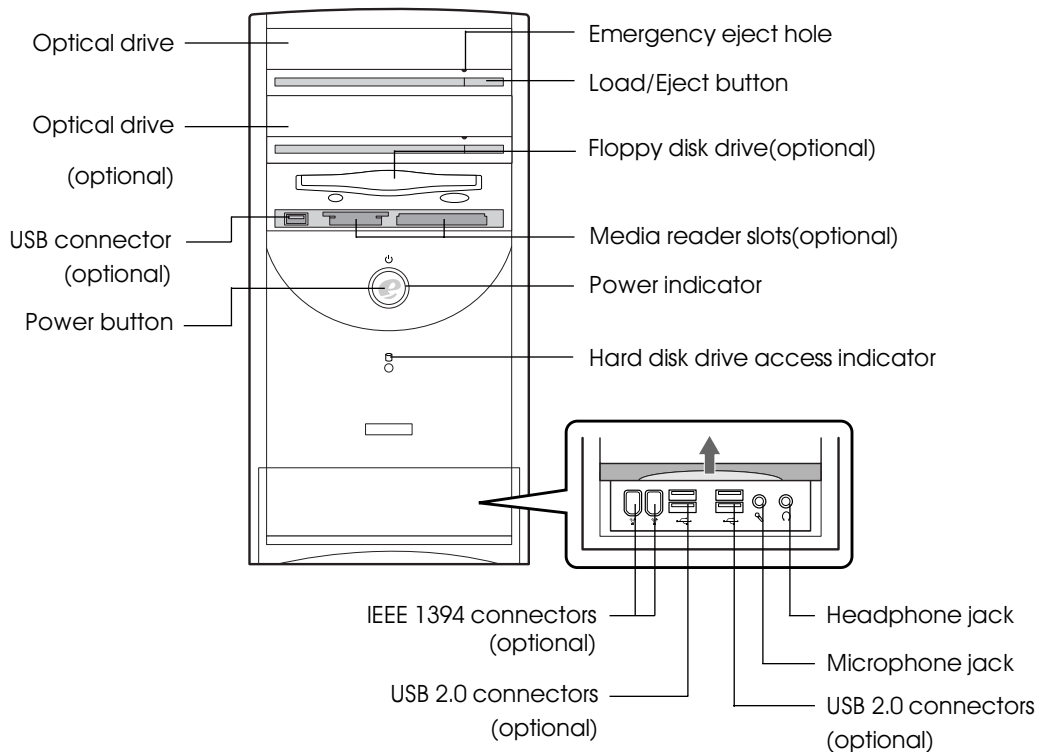
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Chapter 1

Introduction

System Overview



NOTE

Your optical drives may differ from the illustrations described in this user's guide.



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Chapter 2 **Setting Up Your System**

This chapter describes how to set up and turn on/off your system. Just follow the steps in this chapter.

1. Selecting a Location

Before you set up your computer, it is important to choose a safe and convenient location that provides the following:

- A large, sturdy desk or table strong enough to support the weight of your system and all of its components.
- A flat and hard surface. Soft surfaces like beds and carpeted floors attract static electricity, which can erase data on your disks, damage the computer's circuitry, and prevent proper ventilation.
- Good air circulation. Leave several inches of space around the computer so air can move freely.
- Moderate environment conditions. Select a cool, dry area and protect your computer from extremes in temperature, humidity, dust, and smoke. Avoid direct sunlight or any other source of heat.
- Appropriate power sources. To prevent static charges, connect all your equipment to three-hole, grounded outlets. You need one outlet for the computer, one for the monitor, and an additional outlet for a printer and any other peripheral devices.
- No electromagnetic interference. Do not place your system too close to any electrical device, such as a telephone, which generates an electromagnetic field.

2. Checking the Voltage Selection

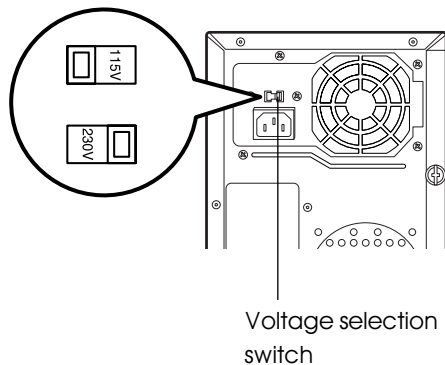
A power supply is integrated into the system to provide power to the mainboard, option cards, and peripheral devices. The power selection switch on the system back panel can be used to set the power supply to operate at 115V or 230V.

To verify that your system has the correct setting for your environment, check the voltage selection switch.

WARNING

If you set the voltage selection switch incorrectly, your system will be damaged. Make sure this switch is set correctly for your location before turning on your computer.

Using a tool such as an opened paper clip, slide the voltage selection switch to the correct voltage position.



3. Connecting Your Peripheral Devices

To connect the peripheral devices, refer to the Setting Up Your Computer.

WARNING

To avoid generating an electric shock, be sure to plug the power cord into the system before plugging it into the wall socket.

CAUTION

For protection of your computer and other devices during a lightning storm, or when it is left unattended and unused for long periods of time, unplug the computer and other devices from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the computer and other devices due to lightning and power line surges.

4. Turning the Computer On and Off

Follow the instructions below to turn on the computer or to turn it off.

Turning On the Computer

To turn on your computer, follow these steps:

1. Turn on the monitor, and any other peripheral devices connected to your computer.
2. Press the power button on the front panel of your computer.
3. The system will load Microsoft® Windows®.

NOTE

If the Restore CD is in the optical drive (D:) while your computer is booting, the computer will be booted with Restore CD. In this case, the “Microsoft Windows Startup Menu” menu will appear. To start Windows, remove the Restore CD and restart the computer.

Turning Off the Computer

To turn off your computer, follow these steps:

1. Before turning off your computer, save your information and close all application programs you use.
2. Click the Start button, and then click Turn Off Computer.
3. When the Turn Off Computer dialog box is displayed, click Turn Off to shut down the system.
4. Turn off the monitor and any other peripheral devices.

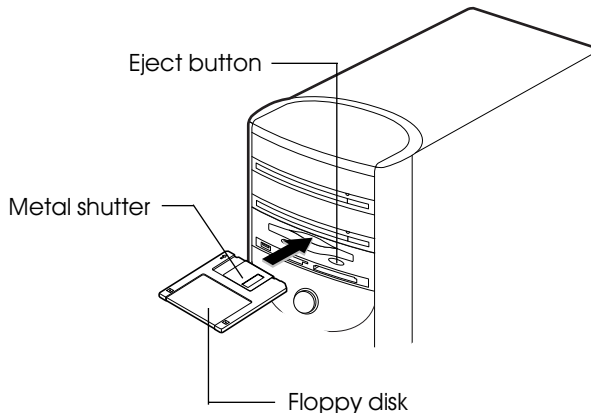
Chapter 3

Using Your Computer

To use your computer, you must install the operating system on your computer. Windows® may come with already installed on your system. To install another operating system such as OS/2 Warp or UNIX, see the manual that came with that system for instructions on installation and use. The procedures in this manual assume that you are using Windows® with your computer.

Using an Optional Floppy Disk Drive

To use your floppy disk drive, insert the diskette with the label facing up and the metal shutter leading into the drive, as shown below. And then slide the disk into the drive until it clicks into place.



When you want to remove the disk, make sure the drive light is off, and then press the eject button. When the disk pops, remove it.

NOTE

Never remove a disk or turn off the computer while a disk drive light is on. You could lose data. Also, remove all disks before you turn off the computer.

Using an Optional Media Reader

The media reader can use six types of memory cards and the IBM MICRODRIVE disk drive. You can insert media in one of the card slots.

NOTE

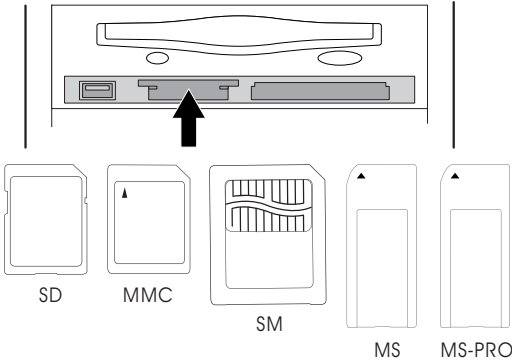
Do not insert several media in the slots. Insert only one media in a slot at one time.

Inserting the Media

Left Slot

You can use the SD (Secure Digital™), MMC (MultiMediaCard™), SM (SmartMedia™), MS (Memory Stick™), or MS-PRO™ memory card in this left slot.

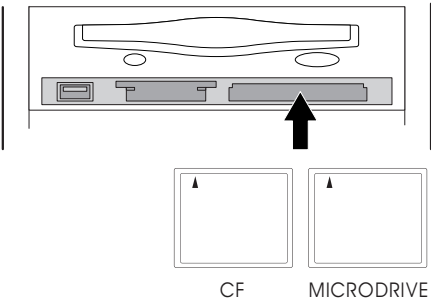
Card type	Insertion
SD (Secure Digital™)	Facing up
MMC(MultiMediaCard™)	Facing up
SM (SmartMedia™)	Upside down (gold contact area facing up)
MS (Memory Stick™)	Facing up
MS-PRO™	Facing up



Right Slot

You can use the CF (CompactFlash™) memory card or MICRODRIVE™ disk drive in this right slot.

Card type	Insertion
CF (CompactFlash™)	Facing up
MICRODRIVE™	Facing up



NOTE

You can see four Removable Disk drive letters and icons in My Computer. When you insert the media, the label of the Removable Disk drive may change to the title of the media, if your media has its title.

Removing the Media

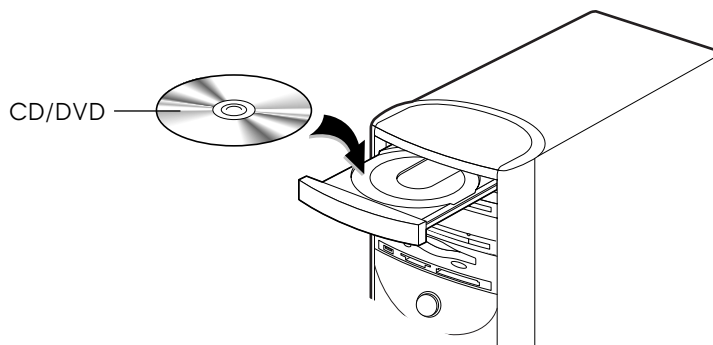
To remove the media in the slot, pull it out.

NOTE

Never remove the media or turn off the computer while a disk drive light is blinking. You could lose data. Also, remove the media before you turn off the computer.

Using an Optical Drive

To insert a CD/DVD into the optical drive, first turn on your system. Then press the load/eject button to open the disc tray. When the disc tray pops out, the busy indicator light will flash. Put the CD/DVD in the tray with the label side up. Press the load/eject button again or gently push the disc tray to close it.



When you want to remove the CD/DVD, make sure the busy indicator is off; then press the load/eject button. When the tray pops out, remove the CD/DVD and then press the button again to close the tray.

NOTES




When your system is turned off, you may need to open the tray. At this time, insert a fine rod such as an opened paper clip into the emergency eject hole as far as it will go. When the tray is slightly open, carefully pull it out.

Your computer references the upper optical drive as D: and the lower optical drive (optional) as E: unless you have more than one hard disk drive or partition.

The high speed DVD-ROM drive (above 6x) may take few seconds to stop the running of the spindle motor when you press the eject button, immediately after using CD or DVD, to open the tray. Wait about 5 to 10 seconds after pressing the eject button to give the DVD sufficient time to stop the running of the spindle motor and eject the tray.

Using Special Keys on the Keyboard

Keys on the keyboard, that are described in the following table serve special functions when your computer is running your operating system or application programs.

Key	Purpose
Tab	Moves the cursor one tab to the right in normal mode and one tab to the left in Shift mode.
Caps Lock	Changes the letter keys from lowercase to uppercase; changes back to lowercase when pressed again. The numeric/symbol keys on the top row of the keyboard and the symbol keys in the main part of the keyboard are not affected.
Shift	Produces uppercase characters or the top symbols on the keys when used with the main character keys. Produces lowercase characters when the Caps Lock function is on.
Ctrl	Works with other keys to perform special (control) function.
Alt	Works with other keys to enter alternate character codes or functions.
Backspace	Moves the cursor back one space, deleting the character to the left of the cursor.
Enter	Ends a line of keyboard input or executes a command.
Insert	Turns the insert function on and off.
Delete	Deletes the character marked by the cursor.
Home, End, PgUp, PgDn →, ←, ↑, ↓	Control cursor location.
Esc	Controls the current command line or operation.
Num Lock	Changes the function of the numeric/cursor keys from entering numbers to positioning the cursor.
	Changes use of the numeric keys on the numeric keypad as mouse keys. To enable the function of the key, set the Mouse tab in "Accessibility Options" in Control panel.
F1-F12	Perform special functions within application programs.
Print Screen	Outputs the screen display captured on the clipboard. When used with alt key, this key captures active window.
Sys Rq	Captures the screen display on the clipboard. When used with Alt key, this key captures active window.
Scroll Lock	Controls scrolling in some applications.
Pause	Suspends the current operation.
Break	Stops the current operation (used with Ctrl).
	Displays the start menu.
	Displays the short menu for the selected location. It corresponds to the right button of a mouse and displays a different menu applicable to Windows other application programs.

The Caps Lock, Num Lock, and Scroll Lock keys work as toggles; press the key once to turn on a function and again to turn it off. When the function is enabled, the corresponding light in the upper right corner of the keyboard is on.





The numeric keys on the numeric keypad of your keyboard can be used as MouseKeys to move a mouse pointer. To use the numeric keys as MouseKeys, first you should set the Mouse tab in “Accessibility Options” of the Control Panel.

NOTE

Depending on the model, your keyboard may differ from the illustrations described in this user’s guide.

Using a Mouse

Generally a mouse functions as follows:

- Click (): Press and release the left mouse button once.
- Double click (): Quickly press and release the left mouse button twice.
- Click with the right mouse button (): Press and release the right mouse button once.
- Drag (): While pressing and holding down the left mouse button, move it to another location and then release the mouse button.

When using Microsoft® Windows®, you can change mouse button configurations in the Mouse section of the Control Panel. If you are left-handed, you can change configuration from right-handed to left-handed. See “mouse, reversing buttons” in the Help index for more information.

Changing the Display Resolution and Color Depth

To change the display resolution and color depth, follow these steps:

1. Click Start, click Control Panel, click Appearance and Themes, and then click Display. Or click the right mouse button on the empty desktop area and click Properties.
2. When the Display Properties window appears, click the Settings tab.
3. Select the color depth from the Color quality area and the resolution from the Screen resolution area.
4. Click the OK button.

Controlling the Audio Volume

You can control the audio volume level by using the volume control box or Master Volume window.

To control the volume by using the Master Volume window, follow these steps:

1. Click the Start button, point to All Programs, point to Accessories, point to Entertainment, and then click Volume Control.
2. When the Master Volume window appears, in the each device area, drag the volume bar up or down to adjust the audio volume level.
3. Click the Close button.



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Chapter 4

Installing and Removing Drives

This chapter describes how to install or remove system cover, optional drives, and optional cards in your computer.

NOTE

Turn off the computer. Then disconnect the computer from its power source and from any telecommunications links, networks, or modems before performing any of the procedures described in this chapter.

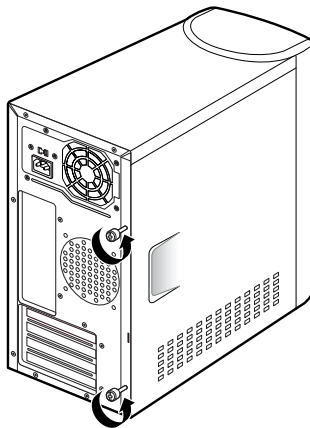
Removing the Cover

You need to remove the cover of your system to access its internal components.

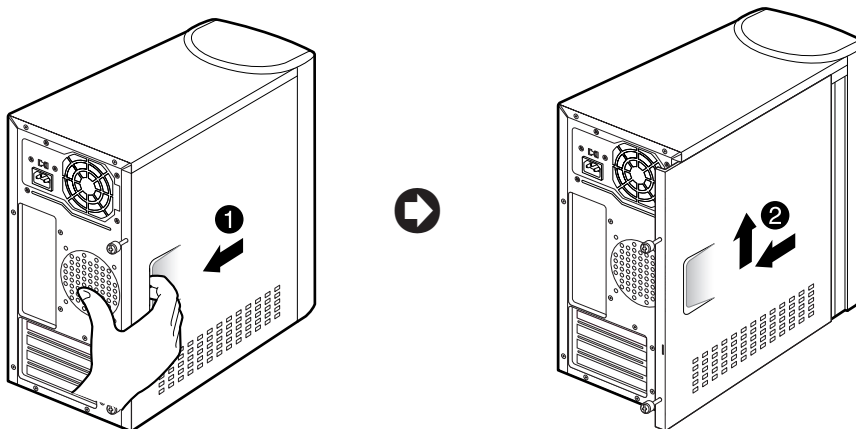
To remove the cover, follow these steps:

1. Turn off the computer and peripheral devices including the monitor and printer.
2. First of all, disconnect the power cable from the electrical outlet and from the back panel. Then disconnect any cables connected to the computer.

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3. To open the system cover, remove two screws on the back panel of your computer.



4. Slide the cover toward the rear to free it from the system and lift it off until can be removed completely. Set the cover aside.



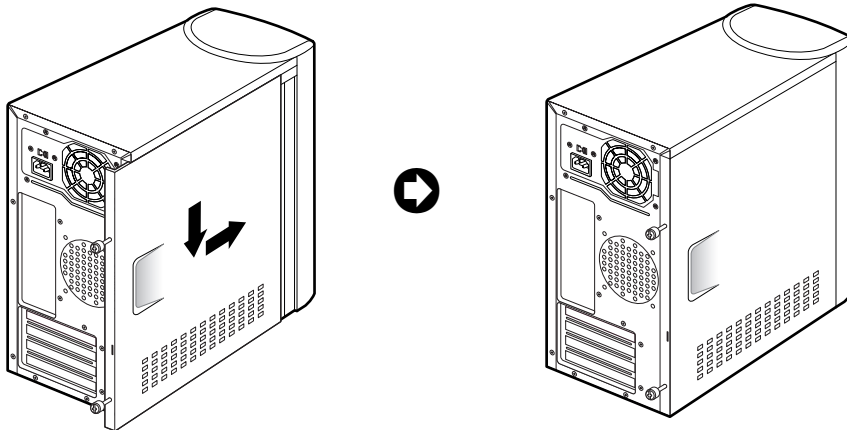
NOTE

Be sure to ground yourself by touching your system every time you remove the cover. If you are not properly grounded, you could generate an electric shock when you touch a component.

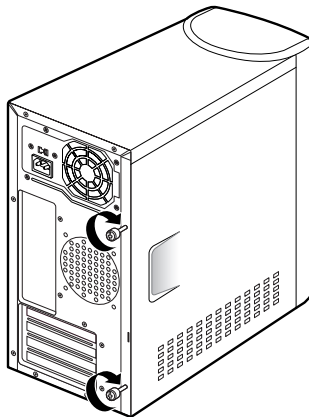
Replacing the Cover

Follow these steps to replace the cover:

1. Hold the cover with your hands and gently put it down to the chassis on the rear position (about 1cm) from the front bezel, then push it to the front.



2. Tighten the cover to the chassis with the screws you removed.



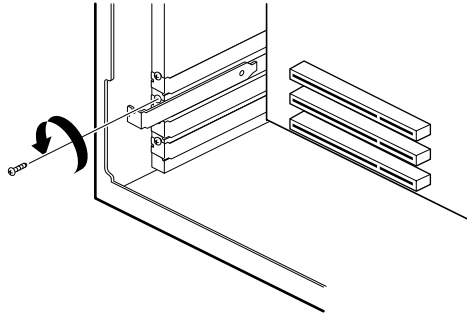
3. Reconnect the monitor, keyboard, mouse, and any other peripheral device's cable connectors to your system.

Installing an Expansion Card

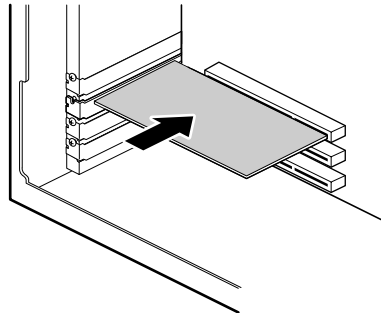
This section explains how to install an expansion card in your computer.

Follow these steps to install an expansion card:

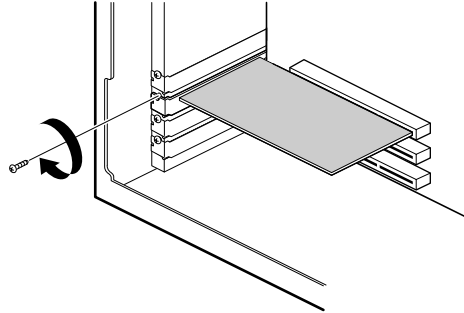
1. Remove the system cover according to the instructions in “Removing the Cover” in this chapter.
2. Remove the retaining screw from the metal slot cover you want to use. Then lift out the slot cover.



3. Adjust any switches or jumpers on the expansion card, if necessary. When you handle the card, be careful not to touch any components on the circuit board or the gold-edged connector.
4. Hold the card along the top corners and guide it into the connector. When the expansion card connector reaches the connector on the mainboard, push the card in firmly to insert it fully.



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5. Secure the end of the card to the computer with retaining screw.



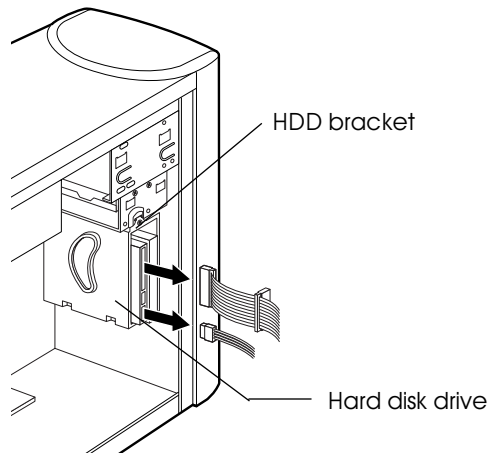
6. Connect any cables that should be attached to the card.
7. Replace the system cover according to the instructions in “Replacing the Cover” in this chapter.

Installing an Additional Hard Disk Drive

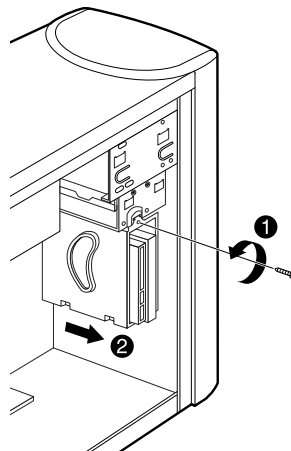
Your hard disk drive is installed in the HDD bracket attached on the chassis. You can install one additional hard disk drive in it.

Follow these steps to install the hard disk drive:

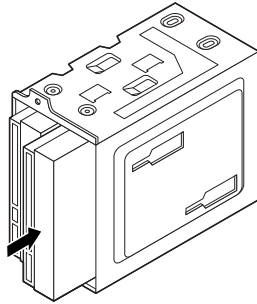
1. Remove the system cover according to the instructions in “Removing the Cover” in this chapter.
2. Detach all cables from the hard disk drive.



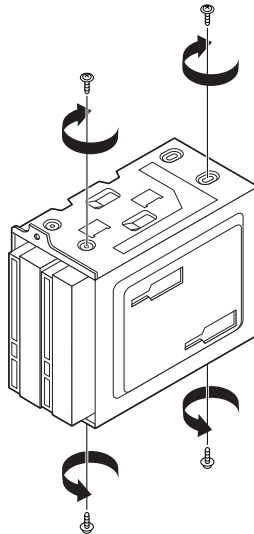
3. Remove the screw securing the HDD bracket to the chassis and pull it out, as shown below.



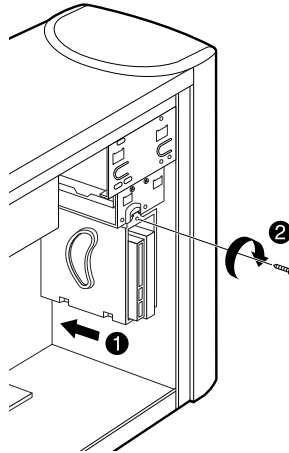
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4. Set the jumper of the new hard disk drive to CS (Cable Select).
 5. Slide the hard disk drive into the HDD bracket.



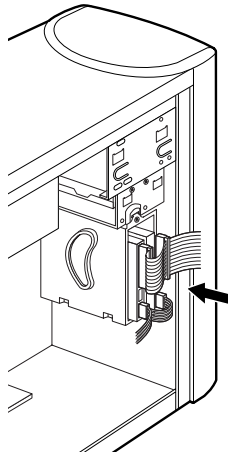
6. With using the screws, secure the hard disk drive to the HDD bracket.



-
7. Slide the HDD bracket into the chassis and secure it with the retaining screw, as shown below.



8. Connect the power and hard disk drive cable to your hard disk drive. (If you removed the hard disk drive cable from the motherboard, replace it.)



9. Replace the system cover according to the instructions in “Replacing the Cover” in this chapter.

Installing the 5.25-inch Device in the Peripheral Bay

Your system has two 5.25-inch horizontal peripheral bays. If only one device (e.g., CD-ROM/DVD-ROM drive) is installed in the system's 5.25-inch peripheral bay, you can add an optional device such as a CD/DVD-ROM drive, hard disk drive, LS-120 drive, or ZIP drive in the empty peripheral bay.

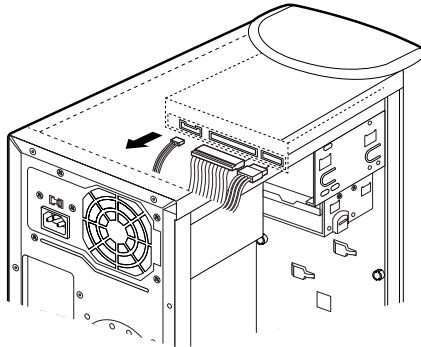
To install an optional device in the bay, follow these steps:

1. Remove the cover according to the instructions in “Removing the Cover” in this chapter.
2. Remove the HDD bracket from the system chassis. For more information, see “Installing an Additional Hard Disk Drive” in this chapter.

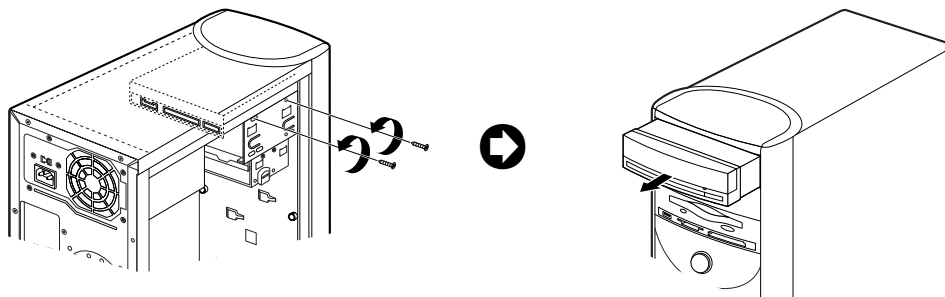
NOTE

If you want to install a 3.5-inch hard disk drive, you must purchase the 5.25-inch dock or mounting bracket and attach it to your 3.5-inch hard disk drive to install your hard disk drive for the 5.25-inch bay.

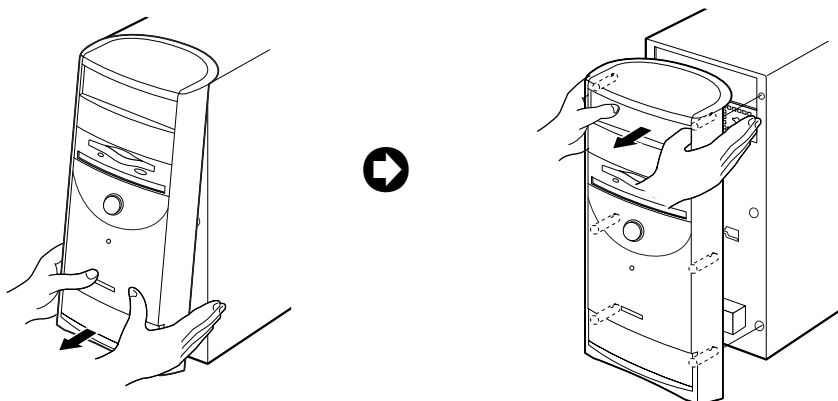
3. Detach all cables from the optical drive.



-
4. Remove the screws securing the optical drive. And then slide the optical drive from the system.



5. Remove the front panel from the chassis by pulling the front panel.

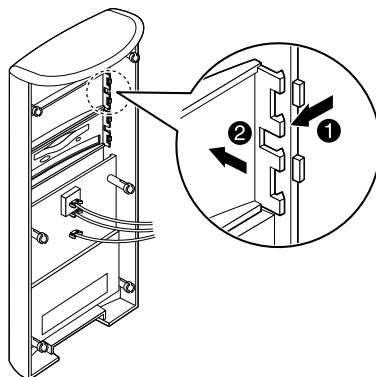


NOTES

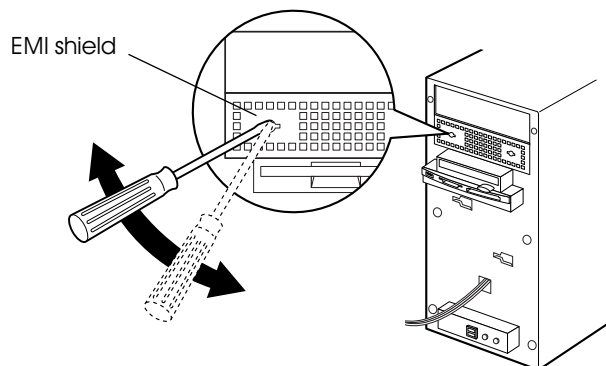
Be careful, not to bent or break the front panel.

When you remove the front panel from the chassis, you have to carefully apart the cover not to split the power and LED cables from the front panel.

-
6. Remove the faceplate cover from the front panel. Push out the faceplate, pressing outward two tabs on both ends of the front panel using your finger.



7. If there is an EMI shield that covers the 5.25-inch drive bay you want to use, remove it from the chassis using a tool such as a screwdriver.



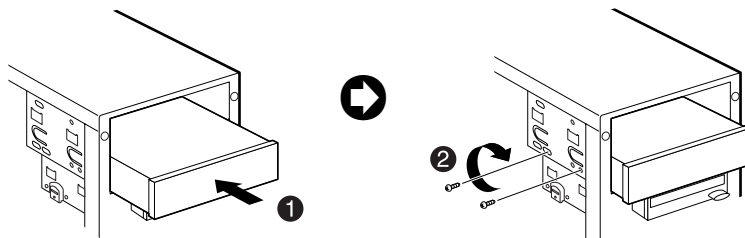
8. Make sure the jumper of optional drive you want to install is set to CS (Cable Select).

NOTES

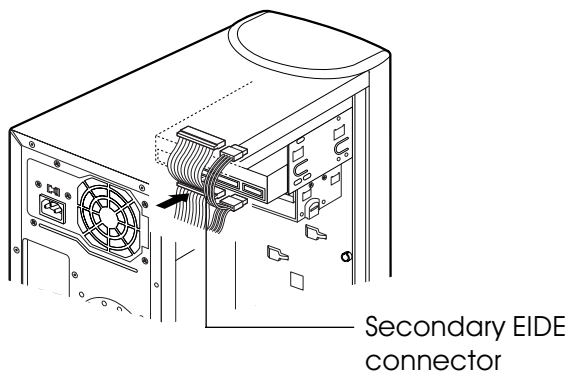
Like a hard disk drive, most optional devices have jumpers that must be set for the drive to work properly with your computer. You must set the jumper of your optional device to CS (Cable Select). If you set the jumper of new device to CS, your system recognizes the device according to location of the cable connector that connected to new device.

If you are to install an optional drive to this 5.25-inch bay, you can use the secondary E-IDE drive connector. To install an additional device in the empty bay below the optical drive, you can use the spare connector of E-IDE cable marked "SLAVE."

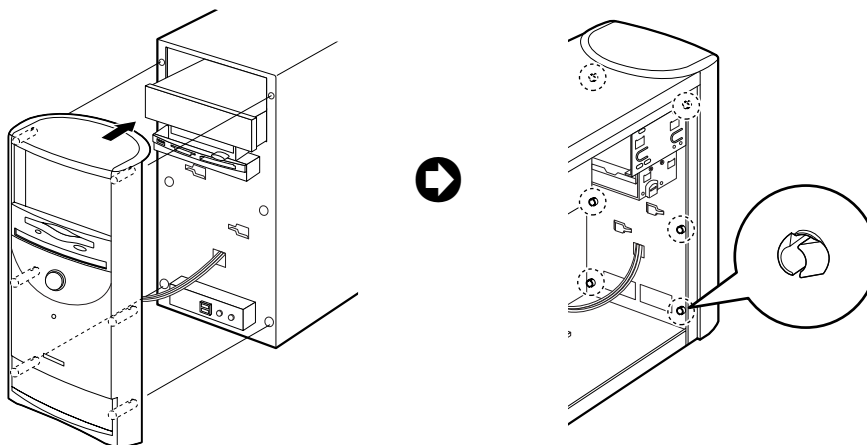
-
9. Slide the device into the bay and secure it to the computer case with two screws.



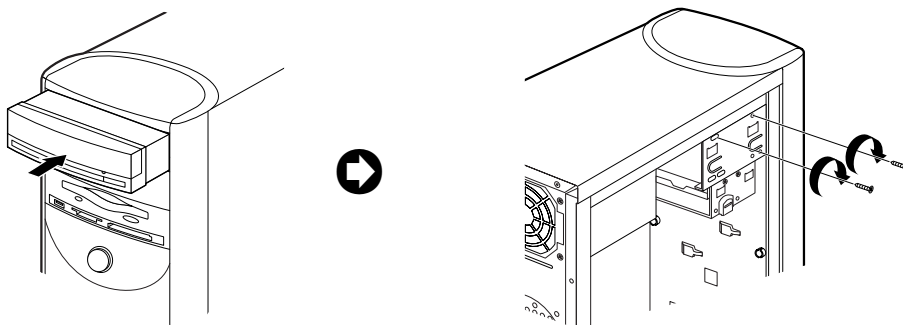
10. Connect the power and interface cables to the device installed.



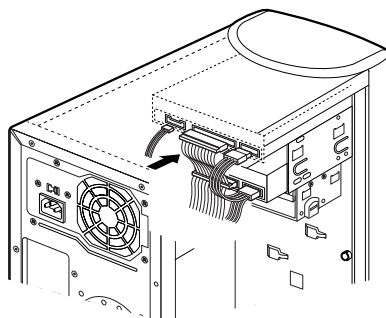
11. To reassemble the front panel to the system, press the front panel toward the system until the tabs on the front panel click into place.



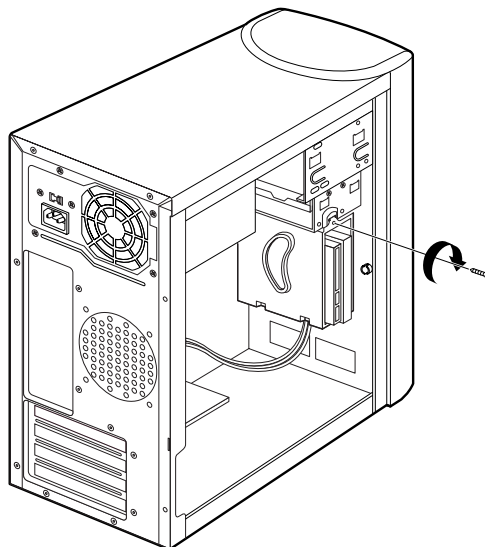
12. Slide the optical drive into the bay and secure it to the system with screws.



13. Connect the power, audio, and interface cables to the optical drive.



14. Replace the HDD bracket to the chassis.



15. Replace the system cover according to the instructions in “Replacing the Cover” in this chapter.

Chapter 5

Using the Restore CDs

Use the Restore CDs for the following:

- To restore all software including Windows® XP.
- To restore lost or destroyed drivers.

Restoring Your Original Software

The Restore CDs contain a copy of all software (e.g., Windows, drivers, and application programs) originally preinstalled on your hard disk. (This process may take about 20 minutes.)

WARNING

If you restore your hard disk, you lose all data that added files, programs, or other data on your hard disk since you purchased your system. After restoring, you must reinstall any software not originally installed on your hard disk. And you don't want to lose your personal data on your hard disk, copy it to diskettes before restoring.

Follow these steps to restore your original preinstalled software:

1. Turn on the computer.
2. Insert the Restore CD #1 into the optical drive (D:) before your computer boots up.
3. Restoration procedures will be started.
4. When the Microsoft Windows Startup Menu appears, type the number 1 and press Enter.

CAUTION

If you select "1. RESTORE WINDOWS XP," you will lose all data in the hard disk (C:).

System Restore Menu / WINDOWS XP

1 RESTORE WINDOWS XP

2 BOOT TO COMMAND PROMPT FROM CD-ROM

Please select 1 or 2: _ [1, 2]?

NOTE

To stop this restore process now, remove the Restore CD from the optical drive and restart your computer.

5. If you select "1. RESTORE WINDOWS XP," the following message will appear in the screen. To continue the procedures, press any key.

THIS PROCESS WILL RE-INSTALL WINDOWS XP ON YOUR PC

=====

!!Warning!!

ALL CONTENTS OF HARD DRIVE (C:) WILL BE LOST!

** BACK UP YOUR FILES BEFORE PROCEEDING AND RESTART **

Press any key to continue...

6. The following message will appear. To continue, press Y.

CONFIRMATION OF RESTORE PROCEDURE

=====

!!Warning!!

ALL DATA OF HARD DRIVE (C:) WILL BE LOST!

** ARE YOU SURE YOU WOULD LIKE TO PROCEED? **

IF YES, PRESS Y. IF NO, PRESS N.

-
7. The restoration process will start. All data in the Restore CD #1 will be copied to your hard disk.
 8. When the “Insert next media and press enter to continue...” message appears, replace the Restore CD #1 with #2 in the optical drive. And press Enter to continue.
 9. All data in the Restore CD #2 will be copied to your hard disk.
 10. If the “Insert next media and press enter to continue...” message appears, replace the Restore CD #2 with #3 (if there is) in the optical drive. And press Enter to continue.

NOTE

Depending on the model, your system has two or three Restore CDs.

11. After the restoration process is completed, remove the Restore CD from your optical drive.
12. Press Enter to restart your computer.

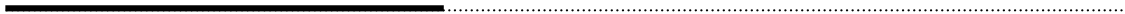
NOTE

If the Restore CD is in the optical drive while your computer is booting, the computer will be booted with the Restore CD. In this case, the “Microsoft Windows Startup Menu” menu will appear. To continue the restoration, remove the Restore CD from your optical drive and restart the computer.

13. Windows XP starts and the registration program runs.
14. To register with Microsoft for using your computer, follow the displayed messages. Enter your personal information.

NOTE

The drivers for your system are in the Drivers folder of you Restore CDs. If you lose drivers, install these by using the Restore CDs. You can update drivers in the Device Manager window if there is no executable installation file. If there is the executable file for installation, use it to install a driver.



Blank

Chapter 6

Using the PowerDVD

NOTE

The PowerDVD is available only on the DVD-ROM or COMBO drive model.

About DVD

Digital Versatile Disc (DVD) is a high-density storage device.

A standard DVD can hold 4.7 gigabytes of data - a seven times the data capacity of a current CD. Dual-layer DVDs can hold more than twelve times the information of a CD on a single side. So you can enjoy higher-resolution pictures, more channels of digital sound, richer graphics, and far more multimedia.

Playing the PowerDVD

How to Run the PowerDVD

If your DVD disc is auto-run, the PowerDVD will automatically start when you insert the DVD disc into the DVD-ROM or COMBO drive.

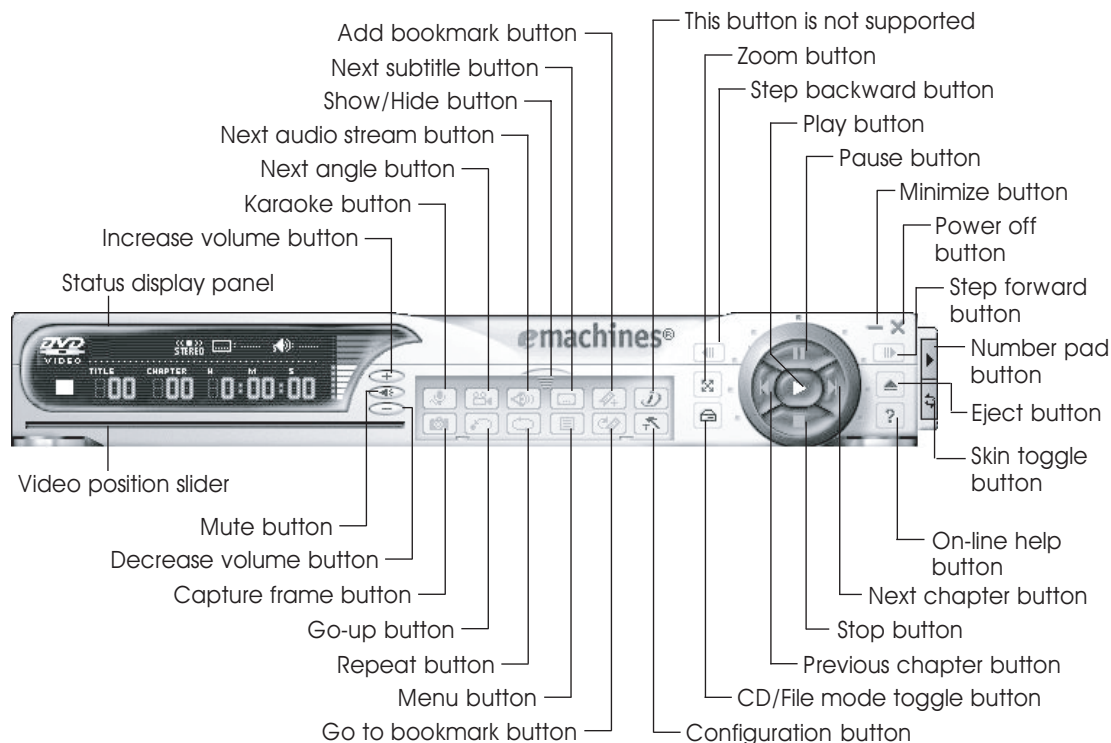
For the DVD disc does not automatically start when you insert the disc, play the PowerDVD as follow:

- Click the Start button, point to All Programs, point to emachines PowerDVD, and then click PowerDVD. And press the play button on the PowerDVD.


NOTE

When you play the DVD that supports 16:9 widescreen and the screen is changed automatically to the widescreen mode, the display may operate improperly for an instant after the resolution change. After a few seconds, the normal screen will be displayed automatically.

Buttons of the PowerDVD



NOTES

For more information, refer to on-line help. To see on-line help, click the  button on the PowerDVD screen.

Most of the DVD titles are governed by a regional code that divides the world into six separate regions. Refer to the following table for the region code of the DVD titles.

<Region Code for Area>

Region No.	Area
Region 1	The United States, U.S. Territories and Canada.
Region 2	Europe, The Middle East, Japan and South Africa.
Region 3	Asia Pacific.
Region 4	South America and Australasia.
Region 5	Russia, Eastern Europe, Central Asia and Africa.
Region 6	China.

Appendix A

Solving Common Problems

This chapter instructs you how to deal with the problems you might experience when using your computer. The problem is listed first, followed by the solution. Read it before calling a technician if a problem occurs.

Power

Cause	Solution
My computer doesn't work	Computer is not properly connected to a grounded wall outlet. Make sure the power cord is firmly plugged into the wall outlet and into the computer.
	Wall outlet is not working. To check to see whether the wall outlet works, plug other device (such as a lamp) into the wall outlet. If it is not working, use other wall outlet.
	When the computer turned down by sudden power failure, it will not operate if you press the power button. To turn on the computer, refer to the followings: Unplug the power cord to turn off your computer and wait about 10 seconds for complete discharge and re-plug the power cord. Then press the power button.

Hard Disk Drive

Cause	Solution
Hard disk drive operation seems slow	The files stored on your hard disk may be fragmented. Check for lost allocation units by running Disk Defragmenter. (For more information, refer to the Windows Help. To open Windows Help, click the Start button, and then click Help and Support.)
Hard disk drive access indicator light stays on	The files stored on your hard disk may be corrupted. Check for lost allocation units by running Disk Defragmenter. (For more information, refer to the Windows Help. To open Windows Help, click the Start button, and then click Help and Support.)

Optical Drive

Cause	Solution
The optical drive cannot read CD	CD/DVD is not properly seated in the optical drive. Eject the CD/DVD, gently but firmly press down on the CD/DVD to seat it in the drive, then reload.
	Your optical drive is not recognized. Turn off the computer, wait at least 30 seconds, and then turn on the computer.
	CD/DVD has been inserted upside down. Eject the CD/DVD, turn it over, then reload. (The label on the CD/DVD should be facing up.)
	CD/DVD is dirty. Clean the CD/DVD with a CD/DVD cleaning kit (available in computer stores).
	CD/DVD is defected. Try another CD/DVD. If it operates well, the CD/DVD is defected.
The DVD-ROM drive takes about 5 to 10 seconds to open the tray when I press the eject button	The high speed DVD-ROM drive takes few seconds to stop the running of the spindle motor when you press the eject button, immediately after using CD or DVD, to open the tray. Wait about 5 to 10 seconds after pressing the eject button to give the DVD sufficient time to stop the running of the spindle motor and eject the tray.

Audio

Cause	Solution
How do I control the audio volume level?	You can control the audio volume level by using the Master Volume window. Click the Start button, point to All Programs, point to Accessories, point to Entertainment, and then click Volume Control. When the Master Volume window appears, in the each device area, you can drag the volume bar up or down to adjust the audio volume level.
Computer doesn't produce any sound	Audio has been muted. Click the Start button, point to All Programs, point to Accessories, point to Entertainment, and then click Volume Control. When the Master Volume window appears, verify that the Mute option check box is empty.
	Volume is turned down. Click the Start button, point to All Programs, point to Accessories, point to Entertainment, and then click Volume Control. When the Master Volume window appears, drag the volume bar upward.
	The speakers are not properly connected. Make sure that the speakers are properly connected to the computer.

Floppy Disk Drive

Cause	Solution
Floppy disk drive light stays on	Diskette is incorrectly inserted. Remove the diskette and reinsert it.
	Diskette is damaged. Use another diskette or check the diskette by running Check Disk. (For detail information, refer to the Windows Help. To open Windows Help, click the Start button, and then click Help and Support.)
Floppy disk drive can't write to a diskette	Diskette is unformatted. Format the diskette. (Refer to your Windows Help in Windows. To open Windows Help, click the Start button, and then click Help and Support.)
	Diskette is write-protected. Remove the write-protection or use another diskette that is not write-protected. To remove write-protection from a diskette, slide the small black tab on the back of the diskette to cover the hole.
Floppy disk drive can't read the diskette	Diskette is unformatted. Format the diskette. (Refer to your Windows Help in Windows. To open Windows Help, click the Start button, and then click Help and Support.)

Display & Monitor

Cause	Solution
The monitor doesn't work	The brightness and contrast controls aren't set properly Adjust the brightness and contrast controls on the monitor.
	The cable connecting the monitor to your computer isn't connected properly. Make sure that the monitor connector is properly and securely connected to the video connector of your computer.
	Monitor is not properly connected to a grounded wall outlet. Make sure the power cord is firmly plugged into the wall outlet and into the monitor.
	You have a screen blanking utility installed or your computer entered power management mode. Press any key or move your mouse. Your current screen will reappear.
How do I change the display resolution or color depth?	To change the display resolution or color depth, use the Display Properties window. To change the display resolution and color depth, follow these steps: 1. Click Start, click Control Panel, click Appearance and Themes, and then click Display. Or click the right mouse button on the empty desktop area and click Properties. 2. When the Display Properties window appears, click the Settings tab. 3. Select the color depth from the Color quality area and the resolution from the Screen resolution area. 4. Click the OK button.

Keyboard

Cause	Solution
Keyboard doesn't work	Keyboard isn't firmly or securely connected to the keyboard connector. Check that the keyboard is connected to the keyboard connector on the back of your computer, not the mouse connector.

Mouse

Cause	Solution
Mouse doesn't work	Mouse isn't firmly or securely connected to the mouse connector. Check that the mouse is connected to the mouse connector on the back of your computer, not the keyboard connector.
	Mouse needs cleaning. To clean the mouse ball, remove the mouse ball by unscrewing the bottom of the mouse. Then clean the mouse ball with a damp cloth and replace the mouse ball.

Appendix B **Approval Statements**

Battery Warning Instruction

Caution

If battery is incorrectly replaced there poses a danger of explosion. Replace battery only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

Attention

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type recommandé par le constructeur. Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

Vorsicht

Explosionsgefahr bei unsachgemäß em Austausch der Batterie. Ersatz nur durch denselben oder einen vom Hersteller empfohlenen ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

Fuse Warning Instruction

Caution

For continued protection against risk of fire, replace only with same type and rating of fuse. Disconnect input power before servicing. Only connect this equipment to an earthed socket outlet.

Vorsicht

Vor jeder service-arbeit netzstecker ziehen! Apparatet ma kun tilkobles jordet stikkontakt.

Attention

Debrancher avant d'ouvrir. Apparat en skall anslutas till jordat nätuttag.

Atencion

Desconecte fuerza electrica antes del servicio. Laite on liitettävä suojakosketinistoraasian.

Laser Product

Class 1 Laser Product

This equipment complies with European Standard EN60825 [harmonized with International Electrotechnical Commission (IEC) Publication 825].

This equipment is classified as a Class 1 LASER product and there is no hazardous LASER radiation with the safety protection.

Caution

The laser used in the CD-ROM drive can damage your eyes. Do not attempt to open the cover.

To reduce the risk of electric shock, do not remove cover (or back).

No user-serviceable parts inside.

Refer servicing to qualified service personnel.

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Do not open the top cover of the drive and never touch the internal parts in order to avoid

EXPOSURE TO INVISIBLE LASER RADIATION.

When the power switch is On, do not place your eyes close to the front panel opening door and other openings to look into the inside of the drive.

Achtung

Um die Gefahr eines elektrischen Schlages zu Verminde, Entfernen Sie nicht das Gehäuse.

Keine durch den Anwender zu reparierende Teile im innern.

Überlassen Sie den Service qualifiziertem Service-Personal.

Da der im CD-ROM Laufwerk benutzte Laser gefährlich für die Augen ist, sollten Sie keineswegs versuchen das Gehäuse zu Öffnen.

Lassen Sie den Service nur durch qualifizierte Servicestellen durchfuhren.

Attention

Pour reduire les risques de decharges, ne demontez pas le capot (ou le panneau arriere) du lecteur.

Aucune des pieces internes ne doit etre manipulee par l'utilisateur.

Toute intervention doit etre effectuee par un personnel qualifie.

Le rayon laser utilise dans le lecteur CD-ROM est invisible à l'œil nu. N'essayez

donc pas de démonter le boîtier. Pour toute intervention, adressez-vous à un personnel qualifié.

Warning

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

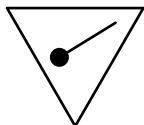
Avertissement

Pour réduire les risques d'incendie ou de choc électrique, n'exposez pas cet appareil à la pluie ou à l'humidité.

Warnung

Um die Gefahr eines Feuers oder eines elektrischen Schlages zu vermeiden, setzen sie dieses Gerät niemals Regen oder Feuchtigkeit aus.

Use of controls or performance of procedures other than those specified herein may result in hazardous radiation exposure.



PRODUCT COMPLIES WITH DHHS RULES 21
C.F.R. SUB-CHAPTER J,
IN EFFECT AT THE DATE OF MANUFACTURE.

CLASS 1 LASER PRODUCT
LASER KLASSE 1
LUOKAN 1 LASERLAITE
KLASS 1 LASER APPARAT
APPAREIL A LASER DE CLASSE 1
EN60825

CAUTION - INVISIBLE
LASER RADIATION WHEN OPEN
DO NOT STARE INTO BEAM OR VIEW
DIRECTLY WITH OPTICAL ELLER
INSTRUMENTS

VORSICHT - UNSICHTBARE
LASERSTRAHLUNG, WENN ABDECKUNG
GEÖFFNET NICHT IN DEN STRAHL
BLICKEN AUCH NICHT MIT OPTISCHEN
INSTRUMENTEN

ADVARSEL - USYNLIG
LASERSTRÅLING VED ÅBNING.
SE IKKE IND I STRÅLEN - HELLER
IKKE MED OPTISKE INSTRUMENTER.

ADVARSEL - USYNLIG
LASERSTRÅLING NÅR DEKSEL ÅPNES.
STIRR IKKE INN I STRÅLEN ELLER SE
BDIREKTE MED OPTISKE
INSTRUMENTER.

VARNING - OSYNLIG
LASERSTRÅLNING NÅR DENNA DEL ÄR
ÖPPNAD.
STIRRA EJ IN I STRÅLEN OCH BETRAKTA
EJ STRÅLEN MED OPTISKA INSTRUMENT

VARO! NÄKYMÄTÖNTÄ
AVATTAESSA
OLET ALTTIINA LASERSÄTEIL YLLE.
ÄLÄ TUIJOTA SÄTEESEEN ÄLÄKÄ
KATSO SITÄ OPTISEN LAITTEEN LÄPI.